



Draka

A brand of the

Prysmian Group

Power Cables Low Voltage (600/1000 V)

XLPE Insulated, LSOH Sheathed, Armored Cables to BS6724



Cable Certificate

BASEC



Conductor

> Plain annealed copper stranded conductor complying with BS EN 60228 Class 2, circular or sector-shaped

Insulation

> XLPE insulation

Core Identification

> Single core: blue or brown
Two-core: blue-brown
Three-core: brown-black-grey
Fore-core: blue-brown-black-grey
Five-core: blue-brown-black-grey-yellow/green
7 - 37 cores: black with numbers or white with numbers
Or as required by customer

Bedding

> Extruded bedding compound

Armor

> Single layer of galvanized steel wires
Aluminum wires for single core

Outer Sheath

> LSOH sheath

Sheath Color

> Black or as required by customer

Installation

> All cables should be installed in accordance with the appropriate regulations, including IET, or any other national legislation.
Not be installed when temperature of cables below 0°C



Temperature Range
-15 to +90°C



Bending Radius
Circular conductor $r = 6D$
Shaped conductor $r = 8D$



Mechanical Impact
Very Good



Fire Performance
BS EN 60332-1-2
BS EN 60332-3-22



Flexibility
Rigid



Low smoke Emissions
BS EN 61034-2



Halogen free
BS EN 60754-1
BS EN 60754-2



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| Nominal cross-area of conductor | Thickness of insulation | Thickness of extruded bedding | Diameter of armor wire | Thickness of sheath | Approx. overall diameter | Approx. weight |
|---------------------------------|-------------------------|-------------------------------|------------------------|---------------------|--------------------------|----------------|
| mm ² | mm | mm | mm | mm | mm | Kg/km |
| Single core cable | | | | | | |
| 70 | 1.1 | 0.8 | 1.25 | 1.5 | 19.2 | 935 |
| 95 | 1.1 | 0.8 | 1.25 | 1.6 | 21.8 | 1245 |
| 120 | 1.2 | 0.8 | 1.25 | 1.6 | 23.4 | 1506 |
| 150 | 1.4 | 1.0 | 1.6 | 1.7 | 26.5 | 1898 |
| 185 | 1.6 | 1.0 | 1.6 | 1.8 | 28.9 | 2283 |
| 240 | 1.7 | 1.0 | 1.6 | 1.8 | 31.4 | 2871 |
| 300 | 1.8 | 1.0 | 1.6 | 1.9 | 34.0 | 3529 |
| 400 | 2.0 | 1.2 | 2.0 | 2.0 | 39.0 | 4571 |
| 500 | 2.2 | 1.2 | 2.0 | 2.1 | 42.5 | 5689 |
| 630 | 2.4 | 1.2 | 2.0 | 2.2 | 46.7 | 7101 |
| 800 | 2.6 | 1.4 | 2.5 | 2.4 | 53.0 | 9169 |
| 1000 | 2.8 | 1.4 | 2.5 | 2.5 | 57.9 | 11548 |
| Two-core cable | | | | | | |
| 1.5 | 0.6 | 0.8 | 0.9 | 1.3 | 11.4 | 257 |
| 2.5 | 0.7 | 0.8 | 0.9 | 1.4 | 13.0 | 322 |
| 4 | 0.7 | 0.8 | 0.9 | 1.4 | 14.0 | 369 |
| 6 | 0.7 | 0.8 | 0.9 | 1.4 | 15.1 | 439 |
| 10 | 0.7 | 0.8 | 0.9 | 1.5 | 17.3 | 585 |
| 16 | 0.7 | 0.8 | 1.25 | 1.5 | 20.2 | 879 |
| 25 | 0.9 | 0.8 | 1.25 | 1.6 | 23.9 | 1205 |
| 35 | 0.9 | 1.0 | 1.6 | 1.7 | 27.4 | 1675 |
| 50 | 1.0 | 1.0 | 1.6 | 1.9 | 29.2 | 2042 |
| 70 | 1.1 | 1.2 | 2.0 | 2.0 | 33.4 | 2654 |
| 95 | 1.1 | 1.2 | 2.0 | 2.1 | 38.0 | 3623 |
| 120 | 1.2 | 1.2 | 2.0 | 2.1 | 41.4 | 4321 |
| Three-core cable | | | | | | |
| 1.5 | 0.6 | 0.8 | 0.9 | 1.3 | 11.8 | 281 |
| 2.5 | 0.7 | 0.8 | 0.9 | 1.4 | 13.5 | 362 |
| 4 | 0.7 | 0.8 | 0.9 | 1.4 | 14.6 | 436 |
| 6 | 0.7 | 0.8 | 0.9 | 1.4 | 15.8 | 525 |
| 10 | 0.7 | 0.8 | 1.25 | 1.5 | 18.9 | 788 |
| 16 | 0.7 | 0.8 | 1.25 | 1.6 | 21.4 | 1053 |
| 25 | 0.9 | 1.0 | 1.6 | 1.7 | 26.5 | 1641 |
| 35 | 0.9 | 1.0 | 1.6 | 1.8 | 28.9 | 2031 |
| 50* | 1.0 | 1.0 | 1.6 | 1.8 | 29.1 | 2366 |
| 70* | 1.1 | 1.0 | 1.6 | 1.9 | 32.7 | 3093 |
| 95* | 1.1 | 1.2 | 2.0 | 2.1 | 37.4 | 4281 |
| 120* | 1.2 | 1.2 | 2.0 | 2.2 | 40.7 | 5206 |
| 150* | 1.4 | 1.4 | 2.5 | 2.3 | 46.0 | 6555 |
| 185* | 1.6 | 1.4 | 2.5 | 2.4 | 50.1 | 7812 |
| 240* | 1.7 | 1.4 | 2.5 | 2.6 | 55.1 | 9687 |
| 300* | 1.8 | 1.6 | 2.5 | 2.7 | 60.1 | 11867 |
| 400* | 2.0 | 1.6 | 2.5 | 2.9 | 67.3 | 15179 |

Note: * means sector-shaped conductor, others are circular.



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| Four core cable | | | | | | |
|-------------------------|-----|-----|------|-----|------|-------|
| 1.5 | 0.6 | 0.8 | 0.9 | 1.3 | 12.7 | 320 |
| 2.5 | 0.7 | 0.8 | 0.9 | 1.4 | 14.4 | 412 |
| 4 | 0.7 | 0.8 | 0.9 | 1.4 | 15.7 | 505 |
| 6 | 0.7 | 0.8 | 1.25 | 1.5 | 17.9 | 722 |
| 10 | 0.7 | 0.8 | 1.25 | 1.5 | 20.3 | 953 |
| 16 | 0.7 | 0.8 | 1.25 | 1.6 | 23.2 | 1249 |
| 25 | 0.9 | 1.0 | 1.6 | 1.7 | 28.7 | 2011 |
| 35 | 0.9 | 1.0 | 1.6 | 1.8 | 31.4 | 2505 |
| 50* | 1.0 | 1.0 | 1.6 | 1.9 | 32.6 | 2971 |
| 70* | 1.1 | 1.2 | 2.0 | 2.1 | 38.2 | 4221 |
| 95* | 1.1 | 1.2 | 2.0 | 2.2 | 42.0 | 5412 |
| 120* | 1.2 | 1.4 | 2.5 | 2.3 | 47.2 | 7037 |
| 150* | 1.4 | 1.4 | 2.5 | 2.4 | 51.7 | 8270 |
| 185* | 1.6 | 1.4 | 2.5 | 2.6 | 56.6 | 9956 |
| 240* | 1.7 | 1.6 | 2.5 | 2.7 | 63.2 | 12943 |
| 300* | 1.8 | 1.6 | 2.5 | 2.9 | 68.2 | 15263 |
| 400* | 2.0 | 1.8 | 3.15 | 3.2 | 78.5 | 19945 |
| Five-core cable | | | | | | |
| 1.5 | 0.6 | 0.8 | 0.9 | 1.4 | 13.7 | 369 |
| 2.5 | 0.7 | 0.8 | 0.9 | 1.4 | 15.3 | 470 |
| 4 | 0.7 | 0.8 | 0.9 | 1.5 | 17.0 | 591 |
| 6 | 0.7 | 0.8 | 1.25 | 1.5 | 19.2 | 823 |
| 10 | 0.7 | 0.8 | 1.25 | 1.6 | 22.1 | 1127 |
| 16 | 0.7 | 1.0 | 1.6 | 1.7 | 26.4 | 1709 |
| 25 | 0.9 | 1.0 | 1.6 | 1.8 | 31.2 | 2411 |
| 35 | 0.9 | 1.0 | 1.6 | 1.9 | 34.3 | 3012 |
| 50 | 1.0 | 1.2 | 2.0 | 2.0 | 38.2 | 4071 |
| 70 | 1.1 | 1.2 | 2.0 | 2.2 | 43.7 | 5418 |
| Seven-core cable | | | | | | |
| 1.5 | 0.6 | 0.8 | 0.9 | 1.4 | 14.5 | 422 |
| 2.5 | 0.7 | 0.8 | 0.9 | 1.4 | 16.4 | 547 |
| 4 | 0.7 | 0.8 | 1.25 | 1.5 | 18.8 | 794 |
| Twelve-core cable | | | | | | |
| 1.5 | 0.6 | 0.8 | 1.25 | 1.5 | 18.6 | 697 |
| 2.5 | 0.7 | 0.8 | 1.25 | 1.6 | 21.4 | 930 |
| 4 | 0.7 | 1.0 | 1.6 | 1.6 | 24.7 | 1331 |
| Nineteen-core cable | | | | | | |
| 1.5 | 0.6 | 0.8 | 1.25 | 1.6 | 21.2 | 907 |
| 2.5 | 0.7 | 1.0 | 1.6 | 1.7 | 25.6 | 1395 |
| 4 | 0.7 | 1.0 | 1.6 | 1.7 | 28.2 | 1760 |
| Twenty seven-core cable | | | | | | |
| 1.5 | 0.6 | 1.0 | 1.6 | 1.7 | 25.6 | 1334 |
| 2.5 | 0.7 | 1.0 | 1.6 | 1.8 | 29.6 | 1786 |
| 4 | 0.7 | 1.0 | 1.6 | 1.9 | 33.0 | 2303 |
| Thirty seven-core cable | | | | | | |
| 1.5 | 0.6 | 1.0 | 1.6 | 1.7 | 28.0 | 1607 |
| 2.5 | 0.7 | 1.0 | 1.6 | 1.8 | 32.4 | 2188 |
| 4 | 0.7 | 1.2 | 2.0 | 2.0 | 37.7 | 3160 |

Note: * means sector-shaped conductor, others are circular.

Certificate of Product Approval

Licensee:

Suzhou Draka Cable Co., Ltd.

No. 88 Kangyuan Road, Xiangcheng Economic Development District, Suzhou, 215131, China

Factory:

No. 88 Kangyuan Road, Xiangcheng Economic Development District, Suzhou, 215131, China

Standard:

BS 6724:2016 Incorporating Corrigenda Nos. 1 and 2

Description:

Armoured power cables with LSHF sheathing

Details:

2-core, 1.5 sqmm - 120 sqmm are circular conductors only.
3-core to 4-core, 1.5 sqmm - 35 sqmm are circular conductors only.
3-core to 4-core, 35 sqmm - 400 sqmm are shaped conductors only.

The above cables conform to BS6724 and, by reference, conform to the appropriate requirements of: BS EN 60228 (IEC 60228), BS EN 60332-1-2 (IEC 60332-1-2), BS EN 60332-3-24 (IEC 60332-3-24), BS EN 61034-2 (IEC 61034-2) and BS EN 60754-1 (IEC 60754-1). The cables have also been additionally tested to BS EN 60332-3-22 (IEC 60332-3-22).

Materials:

Insulation GP 8, Sheath LTS 1

Brand Name:

N/A

Origin Mark:

PRYSMIAN (S) or DRAKA (S)

Permissible Approval Marks:

BASEC



BASEC name

BASEC roundel

Signed for and on behalf of the British Approvals Service for Cables

Tony Lioveri

Date: 12/01/2022

Date of original issue: 10/09/2021

Check BASEC website to verify validity.
Page 1 of 2

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BSF079 Issue 3 (21-01-2021)



Expiry date:
01/06/2024



Type(s) and Range(s) of Approval

| Table / Clause | Code Designation | Conductor Class | Range of Cores | Min Nominal Size -sqmm | Max Nominal Size -sqmm |
|----------------|------------------|-----------------|----------------|------------------------|------------------------|
| 4 | 6941B | Class 2 | 1 | 70 | 1000 |
| 5 | 6942B | Class 2 | 2 | 1.5 | 120 |
| 6 | 6943B | Class 2 | 3 | 1.5 | 400 |
| 7 | 6944B | Class 2 | 4 | 1.5 | 400 |
| 8 | 6945B | Class 2 | 5 | 1.5 | 70 |
| 9 | 6947B | Class 2 | 7 | 1.5 | 4 |
| 9 | 6940/12B | Class 2 | 12 | 1.5 | 4 |
| 9 | 6940/19B | Class 2 | 19 | 1.5 | 4 |
| 9 | 6940/27B | Class 2 | 27 | 1.5 | 4 |
| 9 | 6940/37B | Class 2 | 37 | 1.5 | 4 |

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